MODIFIED ESTIMATE

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work : Modified Estimate Construction of RCC drain 21st cross near Ganapathi temple and asphalting to roads in 6th main in 3rd phase in ward no:04

Estimated cost : Rs.19.95 Lakhs

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. **Earth work excavation** by manual means in **ordinary soil** involving an average horizontal throw upto 2 meters and an average Lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. (P.No.152 Item No. 19.1 of PWD SR 2013-14)								
	Someshwaranagara	**Cum**	1	49.00	1.50	0.25	18.38		
	Cross roads of Removal of		1	19.00	2.95	0.60	33.63		
			1	18.90	3.00	0.60	34.02		
	For removal silt in drain		2	30.00	0.50	0.35	10.50		
			2	19.10	0.50	0.35	6.69		
	Existing masonry drain		1	84.00	0.75	0.60	37.80		
	3rd phase of flagging coarse		1	46.80	0.50	0.35	8.19		
							149.20	**65.88**	**9829.00**
	Basic rate	**61.00**							
	Add 8% AW	4.88							
	Total	**65.88**							
2	KSRD 2-2.2 : **Earth work excavation for foundation of buildings**, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, (P.No.5 It No. 2.4) 2013-14								
	3rd phase	**Cum**	2	48.00	1.00	0.90	43.20		
			1	18.50	1.20	0.90	19.98		
	Cruss road drain		1	82.00	1.20	0.90	88.56		
	CC road		1	50.00	4.20	0.30	63.00		
			1	19.00	2.95	0.25	14.01		
			1	18.90	3.00	0.25	14.18		
							242.93	**227.88**	**55358.00**
	Basic rate	**211.00**							
	Add 8% AW	16.88							
	Total	**227.88**							

3	KSRB-4-1.3 : Providing and laying in positon plain cement concrete of mix M 7.5 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15ems. thick, well compacted, in foundation and plinth. including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2,(P. No. 12 It No. 4.3 of PWD SR 2013-14)								
	3rd phase	Cum	1	48.00	1.00	0.15	7.20		
			1	18.50	1.20	0.15	3.33		
	Cross road drain		1	82.00	1.20	0.15	14.76		
	CC road		1	50.00	4.20	0.15	31.50		
			1	19.00	2.95	0.15	8.41		
			1	18.90	3.00	0.15	8.51		
	Road cutting		3	4.00	0.50	0.15	0.90		
			2	2.50	0.45	0.15	0.34		
	Pot holes		9	0.90	0.90	0.15	1.09		
			12	0.70	0.60	0.15	0.76		
			1	1.20	0.40	0.15	0.07		
			5	1.50	0.45	0.15	0.51		
							77.37	4290.84	331973.00
	Basic rate	3973.00							
	Add 8% AW	317.84							
	Total	4290.84							
4	KSRB 4.2.2 : Providing and laying in position **Reinforced cement concrete of mix M20 with OPC cement** @ 320kgs. with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisire @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1.4.6, No. KBS 4.1.4.6, No. 13/ Item No. 4.11/ PWD SR 2013-14								
	Drain for Bottom concrete	Cum	1	48.00	0.70	0.10	3.36		
	Side walls		2	48.00	0.10	0.45	4.32		
	Bottom concrete		1	18.50	1.10	0.15	3.05		
	Side walls		2	18.50	0.15	0.45	2.50		
	Bottom concrete		1	82.00	1.10	0.15	13.53		
	Side walls		2	82.00	0.15	0.60	14.76		
							41.52		
	CC Road		1	50.00	4.20	0.10	21.00		
	Cross road		1	19.00	2.95	0.10	5.61		

			1	18.90	3.00	0.10	5.67		
	Temple Road		1	18.00	2.85	0.10	5.13		
			1	25.00	3.70	0.10	9.25		
			1	19.00	3.00	0.10	5.70		
							52.36		
							93.88	**5639.76**	**529432.00**
	Basic rate	**5222.00**							
	Add 8% AW	417.76							
	Total	**5639.76**							
5	KSRB 4.9.2:**Providing T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46.1/ PWD SR 2013-14								
		Qtl	80 kg/ cum						
		Qty vide Item No:4							
	Basic rate	**6834.00**					**33.22**	**7380.72**	**245188.00**
	Add 8% AW	546.72							
		7380.72							
6	KSRB 4.6.4 : **Providing and removing centering, shuttering,** strutting, propping etc., and removal of form work for vertical surface such as **walls of any thickness,** attached pilasters,buttresses,buttressus plinth and string course including cost of all materials, labour complete as per specifications, Specification No KBS 4.6.2 Page No. 17/ It No. 4.31/ PWD SR 2013-14								
	Drains side walls	**Sqm**	4	48.00		0.45	86.40		
			4	18.50		0.45	33.30		
			4	82.00		0.60	196.80		
							316.50	**271.08**	**85797.00**
	Basic rate	**251.00**							
	Add 8% AW	20.08							
	Total	**271.08**							
7	Providing and fixing **Precast RCC Slabs** as Per approved design, specification and Direction Engineer-in-Charge. (approved Data Rate).								
	3rd phase	**Sqm**	1	48.00	0.60		28.80		
	cross Road drain		1	100.50	0.90		90.45		
	Flagging coarse top		1	46.80	0.90		42.12		
	Existing masonry drain		1	82.40	1.50		123.60		
	For missing portion covering slabs in existing drains		23	0.90	0.60		12.42		
			7	0.90	0.60		3.78		

							301.17	1245.00	374957.00
8	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH								
	5th A Cross	Cum	1	49.00	1.50	0.25	18.38		
	Road curing		2	4.20	0.50	0.30	1.26		
							19.64	1121.04	22012.00
	Basic rate	1038.00							
	Add 8% AW	83.04							
	Total	1121.04							
9	KSRRB M500-6: providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, No.168 Item No. 21.6 PWD SR 2013-14								
	5th A Cross	Sqm	1	49.00	4.50		220.50		
							220.50	44.28	9764.00
	Basic rate	41.00							
	Add 8% AW	3.28							
	Total	44.28							
10	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing and average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications								
	5th A Cross	Cum	1	49.00	4.50	0.025	5.51		
							5.51	9981.36	55022.00
	Basic rate	9242.00							
	Add 8% AW	739.36							
	Total	9981.36							
11	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical								
	Qty Vide Item No 1+2						392.13	80.12	31417.00
									218900.00
12	KRIDL supervision Charges 11%								

15	Quality control charges 1%							19900.00
16	Miscellaneous and unforeseen charges						L.S	706.00
						Total		1990000.00
(Rupees nineteen lakh ninety thousand only.)								

CERTIFICATE :-

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No 004

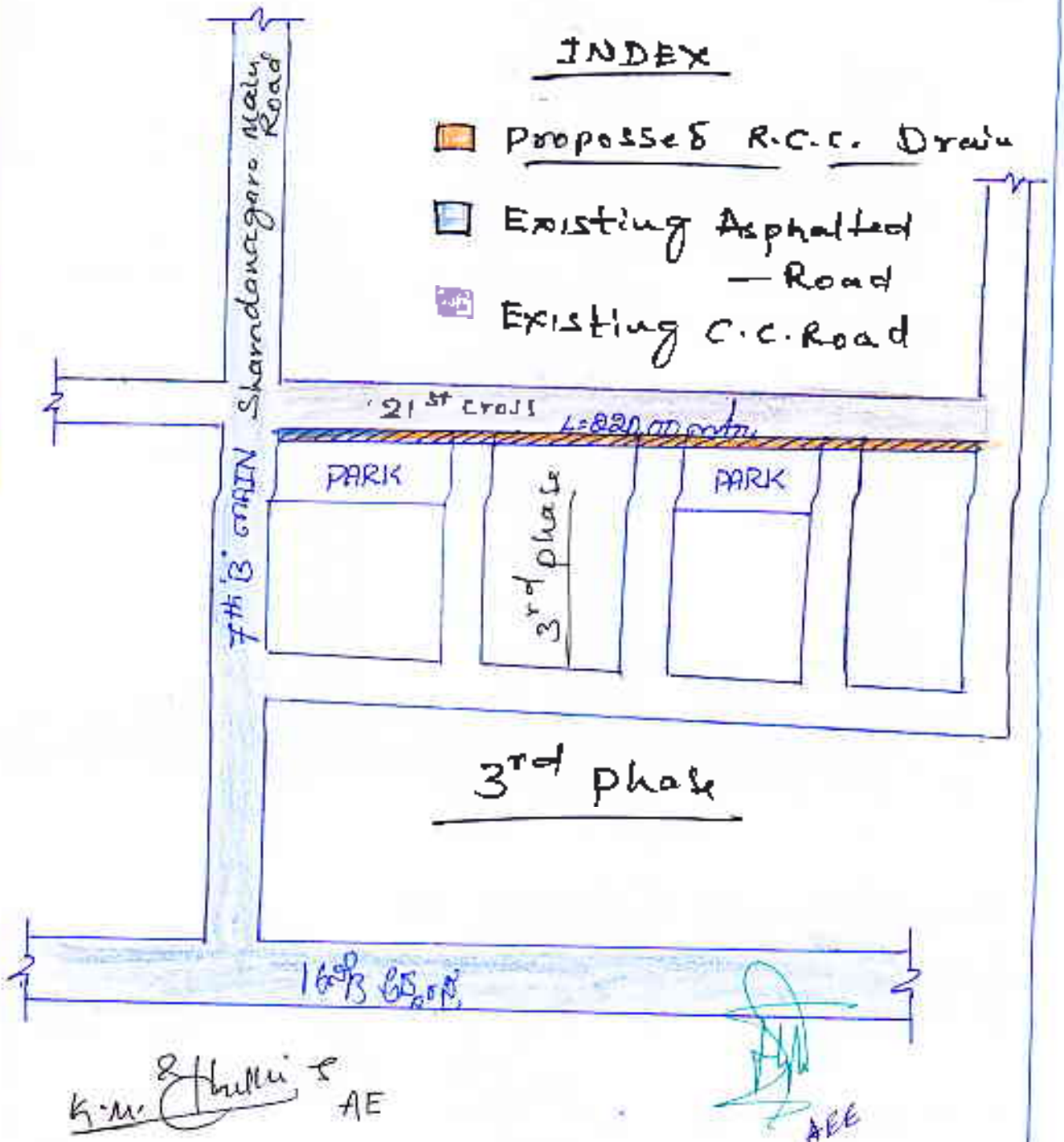
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Satellite Town Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

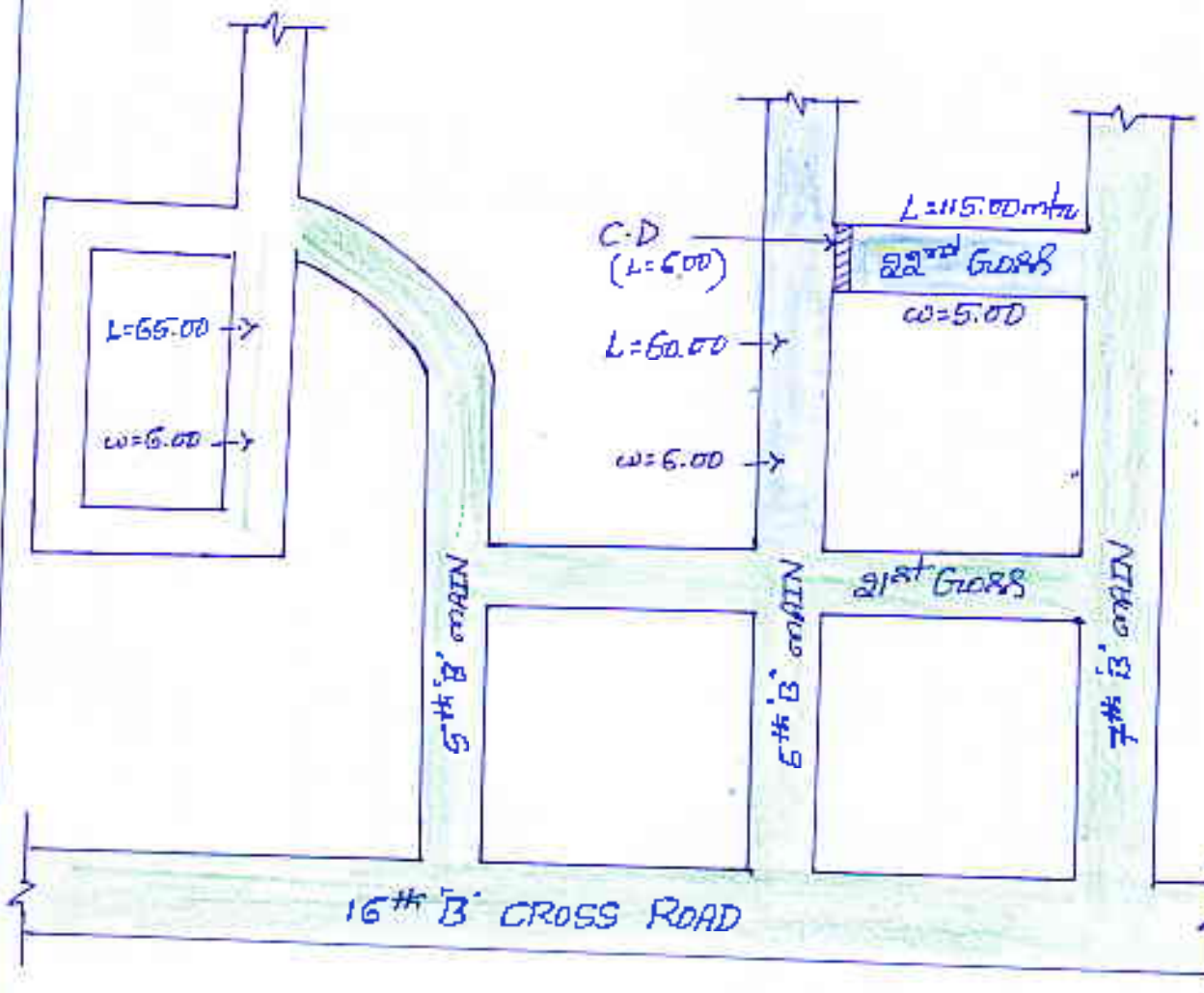
Modified estimate approved

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara Palike
Bangalore-92

Name of work:- Construction of R.C.C drain 21st cross near Gangathi temple and asphalting to Roads in 6th main in 3rd phase in ward No: 04



Name of work:- Construction of R.C.C Drain in 21st cross and Asphalting to Road in 6th main in 3rd phase Y.S.T. Sub-Division. (Ward No. 04



proposed Asphalted Road

Existing Asphalted Road

K.M. Gulli
AE

AEE